

## ABSTRACT

Optimal power generation for the output demanded by a fuel cell can be achieved.

5        A fuel mixer 106 can adjust the methanol concentration of a mixed solution, and it adjusts the concentration of the mixed solution to an optimal methanol concentration for a load 114. Information on the methanol concentration detected by a concentration sensor 115 is sent to a controller 112 and referred to when the fuel mixer 106 adjusts the  
10    methanol concentration of the mixed solution. The concentration sensor 115 provided immediately before the fuel cell can achieve power generation while detecting the substantial methanol concentration of the mixed solution fed to the fuel cell.